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**UNITED STATES ENVIRONMENT PROTECTION AGENCY  
REGION 5  
EMERGENCY RESPONSE BRANCH  
POLLUTION REPORT**

**Date:** November 5, 1999

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**Subject:** South Central Terminal, CERCLA Removal Action,  
Pana, Christian County, Illinois  
Latitude: N 39° 22' 24.6" Longitude: W 89° 04' 57.2"

**POLREP No.:** 6

**Reporting Period:** October 9-16, 1999

**Start Date:** July 21, 1999

**Completion Date:** Spring of 2000

**CERCLIS ID #:** ILD 084 309 210

**Site ID No.:** B5D5

**Task Order No.:** 35

**Response Authority:** CERCLA/OPA

**NPL Status:** Non-NPL

**I. SITUATION:**

- A. Removal activities continue at this former petroleum refinery. Asbestos abatement, demolition of emptied tanks and process piping, and identification and consolidation of wastes ongoing. Site has remained secure. Security service patrolling the grounds during non-working hours.
- B. Weather conditions: pleasant and dry. Temperatures have varied from the low 30's°F to the upper 60's, with mostly clear skies. Very windy late in the week, with gusts up to 20 mph. Watering site roads daily to keep dust under control.

## II. ACTIONS TAKEN:

- A. ACM removal activities completed in main refinery except for the cracking tower. Three ACM removal teams are working throughout the site to abate asbestos. ACM removal completed in the small brick bldg. 10/11. This building contained large piles of ACM insulation that was improperly removed and discarded from unknown activities. Personal and perimeter air sampling continues during abatement activities. Fiber counts all below the OSHA time weighted average (TWA) PEL of 0.1 f/cc, have determined that the wet method of ACM removal is effective. Shipped 17 rolloff containers of asbestos bags to date. A total of cubic yards 510(CY) of ACM has been disposed of to date.
- B. Continued demolition of empty tanks and process piping as residual liquids and sludge is removed. Scrap steel being shipped for reclamation. Line breaking crew removing residual liquids and sludge from process pipelines in tank farm areas. All of the tanks in the asphalt plant have been cut and bottoms solidified except for tank # 411. Shipped 1 loads and 11.7 tons of scrap steel to Granite City Steel this week. Total of 370 tons to date.
- C. Disposed of three loads of heavy oil for a total of 18,000 gallons from Tank # 90 at Metal Working Lubricants in Indianapolis, Indiana. Any additional loads were canceled due to the oil being too viscous. Other disposal options are being explored. One tanker load of flammables was sent to Gateway in St. Louis for recycle.
- D. Subcontract of the Crane Services was approved for lowering cracking towers, pre-heater and desalting tanks. Work will initiate November 15, 1999.
- E. Began water treatment 11/1 and discharged 23,500 gallons of treated material. Ammonia levels were all below 6 mg/l. On November 4 ammonia levels were detected above the discharge criteria and discharge of the water was terminated. Treated water containing ammonia will be land applied on soil on the site. Treatment will continue and monitoring of hydrocarbons and oil and grease will continue. The sludge and contaminated sediment in the water basin will be solidified and removed.
- F. ADM contractor continued removal of ammonium sulfate from on-site tank # 118. Five tank loads of ammonium sulfate were removed and shipped back to the ADM plant in Decatur, Illinois. Please see Section V below.
- G. PRP Group, Growmark and their attorney's toured site on November 3, 1999.

## III. PLANS

- A. Continue removal of ACM and pipe insulation from process piping, tanks, and vessels. Continue personal and perimeter air sampling to ensure wet method for ACM removal is effective.
- B. Complete removal of residual oil and flammable liquids from process pipelines, tanks and vessels. Schedule transportation and disposal as soon as approval is received. Continue demolition of tanks and process piping as ACM and residual liquids are removed. Continue to load and transport of scrap steel for reclamation twice daily Monday through Friday. Evaluate disposal options for Tank # 90. Evaluate disposal

options for Tanks 305,306,307, and 308 which contain flammable liquids and solid filter media. Material may have to be drummed and shipped out for incineration.

Solidify tank #32 and ship sludge/soil waste to CWM's Taylorville, IL, facility once acceptance is received. Continue solidifying tank bottom material with soil and calcement.

- C. ADM sampled secondary containment area to estimate volume of solid to be disposed. ADM to arrange for transport and disposal of ammonium sulfate contaminated soil and tank sludge from seven tanks and four secondary containment structures. Construct access roads to secondary containment area week of 11/12..
- D. Mobilized heating unit for tank #90 on the week of 11/5. Process worked well and three tanker loads were shipped on 11/3. The facility accepted the loads but has stopped any more shipments due to the thickness of the oil. Other disposal options are being evaluated.

#### IV. COSTS:

A. Case open.

B. Costs as of 10/15/1999:

	<u>Budgeted</u>	<u>Total To Date</u>	<u>Remaining</u>
ERRS	\$550,000	459,271	\$90,729
U.S. EPA - Direct	\$74,400	\$9806	\$64,594
U.S. EPA - Indirect	\$122,000	\$15,900	\$106,100
START	<u>\$25,000</u>	<u>\$13,704</u>	<u>\$11,296</u>
<b>Total</b>	\$771,400	\$498,681	\$272,719

**V. DISPOSITION OF WASTES:**

- A. ADM completed voluntarily removal of liquid ammonium sulfate from secondary containment structures, and continues to remove previously identified tank material. Between October 11-16, approximately 25,000 gallons were removed has not committed to taking the material back to their facility. If the remaining  $\text{NH}_3\text{SO}_4$  is not removed than U.S. EPA will stabilize and place in pile for ADM to dispose. A total of 428,200 gallons from tankage and 239,800 gallons from secondary containment structures has been removed to date.
  - B. On 10/ 13, ADM technician's collected samples from secondary containment area to determine volume of soil to be excavated.
  - C. A total of 15,000 gallons of waste oil was shipped out for recycle/recovery. A total of 7,500 gallons of flammable liquids was shipped out on 11/3 to Gateway for recycle.
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